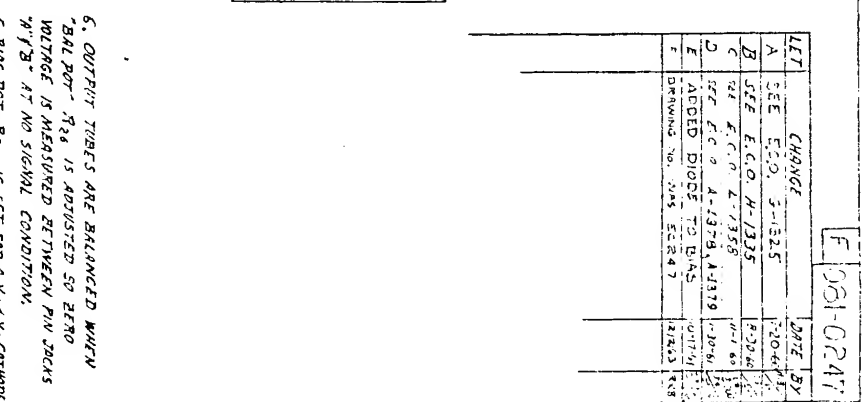


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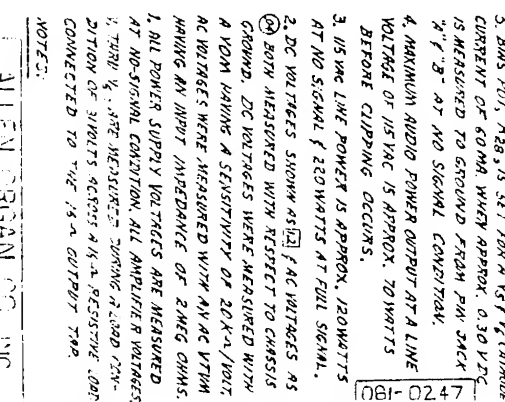
The schematic diagram illustrates the internal circuitry of a vacuum tube radio receiver, divided into two main functional areas: the power supply and the detector/AF amplifier.

Power Supply Section (Left):

- Transformer:** A power transformer with a primary winding connected to a 120VAC source. The secondary has multiple taps labeled 1 through 5, providing different voltage levels.
- Rectification:** The secondary is connected to a full-wave bridge rectifier consisting of four vacuum tube diodes (D1, D2, D3, D4).
- Filtering:** The rectified output is filtered by a network of capacitors (C1, C2, C3, C4, C5, C6, C7) and resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100).
- Output:** The filtered output is connected to a 120VAC source.

Detector/AF Amplifier Section (Right):

- Detector:** The signal is detected by a vacuum tube (V1) with a 120VAC input.
- AF Amplifier:** The detected signal is amplified by a vacuum tube (V2) with a 120VAC input.
- Output:** The amplified signal is connected to a 120VAC source.



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